

(b) Wind resource assessment studies have been carried out at 60 locations in Andhra Pradesh. The present exploitable wind power potential of 2110 MW has been estimated in the State.

(c) The cost of electricity from thermal power plants in the State of Andhra Pradesh is stated to be in the range of Rs. 1.49 to Rs. 2.36 per unit of electricity. Cost of electricity from wind varies from site to site and it is in the range of Rs. 2.75 to Rs. 3.50 per unit. However, the unit cost of wind energy on the basis of levelised cost is quite comparable with the cost of conventional sources taking into account various fiscal and promotional incentives available for wind power projects.

(d) Yes, Sir. Wind resource assessment studies are taken up with the cooperation of various States including Andhra Pradesh for identifying new potential areas for setting up of wind power projects, which could supplement electricity generation from conventional sources. Commercial wind power projects are set up with private sector investment.

#### **Survey on Wind Energy potential in Kerala**

2034. PROF. P.J. KURIEN: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether any survey has been conducted on the total available wind energy potential in the State of Kerala;

(b) if so, the details thereof;

(c) whether any efforts has been made to tap this potential;

(d) if so, the details thereof; and

(e) if not, the reasons therefor?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) Yes, Sir.

(b) Wind Resource assessment studies carried out in 25 locations in Kerala have indicated potential for setting up wind power projects at sixteen locations which have wind power density of 200 watt per square metre or more. The present exploitable wind power potential of 610 MW has been estimated in the State.

(c) and (d) Yes, Sir. A demonstration wind power project of 2 MW capacity was set up at Kanjikode, Pallakad District in the State. The ongoing efforts of the State Govt, of Kerala include finalization of a proposal for 2 MW demonstration wind power project at Ramakkalmedu and setting up of 35 MW wind farm projects through private sector. In addition, the Government of India promotes setting up of commercial wind power projects in the country including in the State of Kerala by providing incentives such as concessional import duty for wind electricity generator sub-systems, excise duty exemption, ten years tax holiday on power projects, benefits of accelerated depreciation, term loan from Indian Renewable Energy Development Agency (IREDA) and other financial institutions and identifying more potential locations by carrying out wind resource assessment studies.

(e) Does not arise.

### **Investment in Renewable Energy Sector**

†2035. SHRI MOTILAL VORA: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the names of countries which have sent proposals for making investment in renewable energy sector and the amount of each country's investment proposal;

(b) by when a final decision on investment proposal will be taken;

(c) the States from where proposals have been received regarding establishing special economic zone for the manufacturing of equipments and system used for renewable energy generation;

(d) by when a decision regarding establishing special economic zone will be taken; and

(e) steps being taken by Government to encourage investment in the renewable energy sector?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) and (b) Country-wise approvals for FDI in the renewable energy sector from January 2003 to September 2006 are as under:

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†Original notice of the question was received in Hindi.